

Abstract

A liquid crystal display increases the capacitance of a storage capacitor while increasing aperture ratio. The liquid crystal display includes a gate insulating film entirely covering a gate electrode, and an active layer on the gate insulating film overlaps the gate electrode. An ohmic contact layer is formed on the active layer, and source electrode and drain electrodes are on the ohmic contact layer such that a channel forms between them. A protective layer covers the source and the drain electrodes, and a data line crosses the gate line and connects to the source electrode by piercing the protective layer. A storage electrode is at a pixel cell area of the same layer as the gate electrode and the gate line, and a pixel electrode opposes the storage electrode having the gate insulating film in between them.

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